

HC675 U.S. PTO
09/374460
08/13/99

IMPORTS

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wfWIRedundGroupTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF WfWIRedundGroupEntry
    ACCESS      not-accessible
    STATUS      mandatory
    DESCRIPTION
        "WF_WIREDUND_GROUP_TABLE - WAN Interface Redundancy:
        This tabulates all the WAN interface redundancy
        groups configured.  Each redundancy group is indexed
        according to its group id. "
        ::= { wfWIRedundGroup 1 }
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WfWIRedundGroupEntry OBJECT-TYPE
    SYNTAX      WfWIRedundGroupEntry
    ACCESS      not-accessible
    STATUS      mandatory
    DESCRIPTION
        "WAN interface redundancy group entries."
    INDEX       { wfWIRedundGroupId }
    ::= { wfWIRedundGroupTable 1 }

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        INTEGER,
        wfWIRedundGroupActive
        INTEGER
    }

wfWIRedundGroupDelete OBJECT-TYPE
    SYNTAX  INTEGER {
                created(1),
                deleted(2)
            }
    ACCESS  read-write
    STATUS  mandatory
    DESCRIPTION
        "Creation and deletion flag for this record.
        When set, it will cause this entry to be
        deleted from the MIB."
    DEFVAL  { created }
    ::= { wfWIRedundGroupEntry 1 }

wfWIRedundGroupDisable OBJECT-TYPE
    SYNTAX  INTEGER {
                enabled(1),
                disabled(2)
            }
    ACCESS  read-write
    STATUS  mandatory
    DESCRIPTION
        "Enable/Disable parameter. A disabled
        interface will not be selected as the active
        interface for a circuit."
    DEFVAL  { enabled }
    ::= { wfWIRedundGroupEntry 2 }

wfWIRedundGroupId OBJECT-TYPE
    SYNTAX  INTEGER(1..255)
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION
        "The group ID uniquely identifies an interface
        redundancy group."
    ::= { wfWIRedundGroupEntry 3 }

wfWIRedundGroupSwitchWaitTimer OBJECT-TYPE
    SYNTAX  INTEGER (1..65535)
    ACCESS  read-write
    STATUS  mandatory
    DESCRIPTION
        "Time (in milliseconds) to wait before
        switching interfaces. This is to allow for

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small variations and timing delays, such as delay in a WAN driver coming up, which would cause a switch."

DEFVAL { 3000 }
::= { wfWIRedundGroupEntry 4 }

wfWIRedundGroupPreempt OBJECT-TYPE

SYNTAX INTEGER {
 enabled(1),
 disabled(2)
 }

ACCESS read-write

STATUS mandatory

DESCRIPTION

"Preempt flag - If enabled, it indicates that if a higher priority interface comes up, the router switches to this higher priority interface even if there is an active interface within a redundancy group."

DEFVAL { enabled }
::= { wfWIRedundGroupEntry 5 }

wfWIRedundGroupName OBJECT-TYPE

SYNTAX DisplayString

ACCESS read-write

STATUS mandatory

DESCRIPTION

"Name given to the redundancy group by a user."

::= { wfWIRedundGroupEntry 6 }

wfWIRedundGroupCct OBJECT-TYPE

SYNTAX INTEGER

ACCESS read-write

STATUS mandatory

DESCRIPTION

"Circuit Number associated with the WAN driver, put in by the configuration manager (Site Manager and BCC)."

::= { wfWIRedundGroupEntry 7 }

wfWIRedundGroupPrimary OBJECT-TYPE

SYNTAX INTEGER

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Primary line number indicates that this interface is chosen as the primary interface for this Interface Redundancy Group."

::= { wfWIRedundGroupEntry 8 }

wfWIRedundGroupActive OBJECT-TYPE

SYNTAX INTEGER

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Active line number indicates that this interface is the current active interface for this Interface Redundancy Group."

::= { wfWIRedundGroupEntry 9 }

wfWIRedundIfTable OBJECT-TYPE

SYNTAX SEQUENCE OF WfWIRedundIfEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"WF_WIREDUND_IF_TABLE - WAN Interface Redundancy: This tabulates the WAN interfaces within an interface redundancy group. Interfaces are indexed according to their group id and line number."

::= { wfWIRedundGroup 2 }

wfWIRedundIfEntry OBJECT-TYPE

SYNTAX WfWIRedundIfEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Redundant WAN interface entries."

INDEX { wfWIRedundIfGroupId,
wfWIRedundIfLineNumber }

::= { wfWIRedundIfTable 1 }

WfWIRedundIfEntry ::= SEQUENCE {

wfWIRedundIfDelete

INTEGER,

wfWIRedundIfDisable

INTEGER,

wfWIRedundIfGroupId

INTEGER,

wfWIRedundIfLineNumber

INTEGER,

wfWIRedundIfPriority

INTEGER,

wfWIRedundIfState

INTEGER

}

wfWIRedundIfDelete OBJECT-TYPE

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SYNTAX  INTEGER {
            created(1),
            deleted(2)
        }
ACCESS  read-write
STATUS  mandatory
DESCRIPTION
    "Creation and deletion flag for this record.
    When set, it will cause this entry to be
    deleted from the MIB."
DEFVAL  { created }
::= { wFWIRedundIfEntry 1 }

wFWIRedundIfDisable OBJECT-TYPE
SYNTAX  INTEGER {
            enabled(1),
            disabled(2)
        }
ACCESS  read-write
STATUS  mandatory
DESCRIPTION
    "Enable/Disable parameter.  A disabled
    interface will not be selected as the active
    interface for a circuit."
DEFVAL  { enabled }
::= { wFWIRedundIfEntry 2 }

wFWIRedundIfGroupId OBJECT-TYPE
SYNTAX  INTEGER(1..255)
ACCESS  read-only
STATUS  mandatory
DESCRIPTION
    "The interface redundancy group number of the
    redundancy group to which the interface
    belongs. The group ID uniquely identifies an
    interface redundancy group. This interface
    will either act as the active interface for the
    circuit or as a hot stand-by."
::= { wFWIRedundIfEntry 3 }

wFWIRedundIfLineNumber OBJECT-TYPE
SYNTAX  INTEGER
ACCESS  read-only
STATUS  mandatory
DESCRIPTION
    "Line Number of the interface, used to index in
    the table combined with the group ID."
::= { wFWIRedundIfEntry 4 }

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wfWIRedundIfPriority OBJECT-TYPE
    SYNTAX  INTEGER (1..255)
    ACCESS  read-write
    STATUS  mandatory
    DESCRIPTION
        "Priority Parameter - Priority level to be the
        Primary Interface.  If the priority is 255,
        then it is a primary.  There can be only one
        primary in a group."
    DEFVAL  { 1 }
    ::= { wfWIRedundIfEntry 5}

wfWIRedundIfState OBJECT-TYPE
    SYNTAX  INTEGER {
        unknown(1),      -- State information is not
                        known
        initialize(2),   -- Waiting for the interface to
                        come up
        election(3),     -- The interface is in election
                        to become active
        active(4),       -- currently active interface
                        for the group
        backup(5)        -- currently serving as the
                        backup
    }
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION
        "The current state of the interface for this
        interface redundancy group."
    DEFVAL  { unknown }
    ::= { wfWIRedundIfEntry 6}

END  -- Wellfleet-WIREDUND-MIB

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